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## PATENT ABSTRACTS OF JAPAN

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(54) SIGNAL TRANSMISSION SYSTEM IN  
CSMA/CD TRANSMISSION SYSTEM

(57) Abstract:

PURPOSE: To prevent the lowering of signal transmission efficiency in a high load time by starting a signal transmission after an appropriate time is elapsed from when any signal is not existed on a transmission line and reducing the times of collision on the transmission line.

CONSTITUTION: An interface control part 51 informs, with booking a data transmission request from a data process device, the occurrence of a transmission request to a controller 57 and also, stores transmission data which is transmitted to at a buffer 52. The controller 57 instructs the transmission of the signal to a transmission part 53 when a transmission inhibit signal 100 from a transmission inhibiting part 56 is not existed. The transmission inhibiting part 56 holds, with

receiving a receiving completion message from a receiving part 54, the output of the transmission inhibit signal 100 from a certain delay and after that, it operates to terminate the outputting of the signal.

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